

Purchase Order Receipt Listing

Wednesday, February 25, 2015 10:31:17 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO27512 All Receipt Dates All Line Item Types
All Item ID/GL/VOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO27512	1		M303R0.500 f	f	2/27/2015	2/25/2015	48.0000	\$1.30	0.0000	0	\$62.31
CAD	No		303 Round Bar 0.500"	f	48.0000	DCUSER		\$62.31	0.0000	0	
			m131653								
	2		M5052H32S.032 sf	sf	2/27/2015	2/25/2015	64.0000	\$0.82	0.0000	0	\$52.49
	No		5052-H32 .032 Sheet	sf	64.0000	DCUSER		\$52.49	0.0000	0	
			m131653								
	3		M5052H32S.040 sf	sf	2/27/2015	2/25/2015	32.0000	\$1.00	0.0000	0	\$31.86
	No		5052-H32 .040 Sheet	sf	32.0000	DCUSER		\$31.86	0.0000	0	
			m131653								
	4		M6061T6B1.000X02.1 000	f	2/27/2015	2/25/2015	24.0000	\$4.66	0.0000	0	\$111.79
	No		6061-T6 Bar 1.00 x 2.00	f	24.0000	DCUSER		\$111.79	0.0000	0	
			m131653								
	5		M6061T6B00750X00.1 .125	f	2/27/2015	2/25/2015	80.0000	\$0.49	0.0000	0	\$39.34
	No		6061-T6 Bar .750 x .125	f	48.0000	DCUSER		\$39.34	0.0000	0	
			m131653								
	6		M6061T6B1.250X04.1 500	f	2/27/2015	2/25/2015	12.0000	\$13.36	0.0000	0	\$160.35
	No		6061-T6 Bar 1.25 X 4.50	f	12.0000	DCUSER		\$160.35	0.0000	0	
			m131653								
	7		M6061T6R0.750 f	f	2/27/2015	2/25/2015	48.0000	\$2.60	0.0000	0	\$124.61
	No		6061-T6 Round Bar .750"	f	48.0000	DCUSER		\$124.61	0.0000	0	
			m131653								
	8		M6061T6R1.000 f	f	2/27/2015	2/25/2015	12.0000	\$4.29	0.0000	0	\$51.49
	No		ROUND BAR 1.00"	f	12.0000	DCUSER		\$51.49	0.0000	0	
			m131653								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO27512 CAD	9 No		M6061T6S.063 6061-T6 .063 Sheet ml31653	sf	2/27/2015 288.0000	2/25/2015 DCUSER	288.0000	\$1.88 \$542.82	0.0000 0.0000	0 0	\$542.82
	10 No		M304S20GA4P 304/316 Sheet .040 ml31653	sf	2/27/2015 32.0000	2/25/2015 DCUSER	32.0000	\$2.73 \$87.23	0.0000 0.0000	0 0	\$87.23
	11 No		71401-45 PROCUREMENT QUALITY CLAUSES ml31653		2/27/2015 1.0000	2/25/2015 DCUSER	1.0000	\$0.00 \$0.00	0.0000 0.0000	0 0	\$0.00
Total Received Quantity: 641.0000 Total Qty to Inspect (PO U/M): 0.0000 Total Reject Quantity: 0.0000 Total Receipt Value: \$1,264.28 Total Balance Due Quantity: 0.0000											

9781

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 920635
Ship Date 23Feb15 at 15:36 From PFW
Probill
Via VIM TRANSFER
FOB HAWKESBURY
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp CARMELA AGNIHOTRI(905-5321422)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-773322- 1 Your PO # PO27512
Part # M303R0.500 Rel #
STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
R8M4	383686	48 FT	4	32

2) Our Order PEC-773322- 2 Your PO # PO27512
Part # M5052H32S.032 Rel #
ALUMINUM SHEET 5052-H32
.0320 Nom X 48.0000" X 120.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
5130604048	383756	80.00 SFT	2	35

3) Our Order PEC-773322- 3 Your PO # PO27512
Part # M5052H32S.040 Rel #
ALUMINUM SHEET 5052-H32
.0400 Nom X 48.0000" X 120.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
B-12021115	383758	40.00 SFT	1	22

4) Our Order PEC-773322- 4 Your PO # PO27512
Part # M6061T6B1.000X02.000 Rel #
ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
468144	383687	24 FT	2	56

Page: 1Continued

1BOL RSSO
1BOL RS03
1crate R138

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

No: PEC 920635

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

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Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

5) Our Order PEC-773322- 5 Your PO # PO27512
Part # M6061T6B00750X00.125 Rel #

ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"

Heat Number
408057-4

Tag No
383688

Quantity
80 FT

PCS
4

Wt LBS
9

6) Our Order PEC-773322- 6 Your PO # PO27512
Part # M6061T6B1.250X04.500 Rel #

ALUMINUM FLAT BAR 6061-T6511
1.250" x 4.50" X 144.0000"

Heat Number
201422537

Tag No
383689

Quantity
12 FT

PCS
1

Wt LBS
80

7) Our Order PEC-773322- 7 Your PO # PO27512
Part # M6061T6R0.750 Rel #

ALUMINUM ROUND BAR 6061-T651
.750" DIA X 144.0000"

Heat Number
151086

Tag No
383690

Quantity
48 FT

PCS
4

Wt LBS
26

8) Our Order PEC-773322- 8 Your PO # PO27512
Part # M6061R6R1.000 Rel #

ALUMINUM ROUND BAR 6061-T651
1.00" DIA X 144.0000"

Heat Number
20150867

Tag No
383691

Quantity
12 FT

PCS
1

Wt LBS
11

9) Our Order PEC-773322- 9 Your PO # PO27512
Part # M6061T6S.063 Rel #

ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 144.0000"

Heat Number
31763/01/00

Tag No
383760

Quantity
288.00 SFT

PCS
6

Wt LBS
256

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
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REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G
No: PEC 920635
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Probill
Via VIM TRANSFER
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Slp CARMELA AGNIHOTRI(905-5321422)
Sold To: (20115)
DART AEROSPACE

B I L L O F L A D I N G

10) Our Order PEC-773322- 10 Your PO # PO27512
Part # M304S20GA4P Rel #

STAINLESS STEEL SHEET 304#4
.0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
A2400624 383764

Quantity
32.00 SFT

PCS
1

Wt LBS
47

TOTAL: Tags PCS LBS
10 26 574

Heat Number
151086
201422537
20150867
31763/01/00
408057-4
468144
5130604048
A2400624
B-12021115
R8M4

*** Chemical Analysis ***

MILL TEST REPORTS, PACKING SLIPS, C OF C'S ARE TO
BE SENT WITH MATERIAL AND FAXED TO THE CUSTOMER
PRIOR TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 SKID, 2 BDLS GW. 830 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

Page: 3Continued

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.
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RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
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REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 920635
Ship Date 23Feb15 at 15:36 From PFW
Probill
Via VIM TRANSFER
FOB HAWKESBURY
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp CARMELA AGNIHOTRI(905-5321422)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

***** TEL. 800-926-2600 *****

* WE STOCK STAINLESS STEEL *
* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

Page: 4 Last

ALUMINIUM • LAITON • CUIVRE • PLASTIQUE • ACIER INOX
ALUMINUM • BRASS • COPPER • PLASTICS • STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION

DATE

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X 144.0000"
PART NO. M303R0.500

PO/Ref: R027512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

BL PEC-920635-001

23Feb15
Pg 1/1

Certificate of Mill Test Results



740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 22941 20

Mail To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Ship To:

THYSSENKRUPP MATERIALS
2821 LANGSTAFF ROAD
CONCORD, ON L4K5C6

Date: 1/16/2015 Page: 1

Steel: 303

Finish: CD

Corrosion:

Customer: 007206 001

Your Order: PEC262373

NAS Order: PN 0045298 03

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640J TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7009 EU DIRECTIVE
2011/65/EU ROHS. EAF+ADP+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-09
150265

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BG9012 9		.5000		1.233	144.00	5	1	

CHEMICAL ANALYSIS CM(Country of Met) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323

Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
R0M4	US	.0459	.1395	17.1170	.3260	1.7980	.2980	.0461	8.3355	.0370

S %	SI %
.3355	.5310

MECHANICAL PROPERTIES

Product Id	1 d o 1 c 2	HB No.	.2YR KSI	UTS KSI	RA %	Elong % 2"
BG9012 9	R L	197.0	78.46	104.08	22.13	31.50

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
of the test methods used, the material meets the specifications stated. These results relate only to the items
tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ASB

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
".0400 Nom X 48.0000" X 120.0000"
PART NO. M5052H32S.040

PO/Rel PO27512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-003

23Feb15

Pg 1/2

Signed by: 

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
CHANGCHUN ROAD NO.6, HIGH AND NEW TECHNOLOGY ZONE,
ZHENGZHOU HENAN CHINA
TEL:+86-371-67898715 FAX:86-371-67898612

MILL TEST CERTIFICATE

TO: OLBERT METAL SALES LIMITED
989 DERRY RD. EAST, SUITE 305 MISSISSAUGA,
ONTARIO CANADA L5T 2J8

INVOICE NO.: ZOTO120201

CONTRACT NO: 1769

LOADING PORT: QINGDAO, CHINA

DESTINATION: TORONTO, CANADA

SHIPPING MARKS: N/M

DATE: FEB, 21, 2011

DESCRIPTION OF GOODS:

ALUMINUM SHEET 3003 H14

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/2, AMS 4008K SPECS.

ALUMINUM SHEET 5052 H32

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/8, AMS 4016L SPECS.

ALUMINUM TREAD PLATE 3003 H22

CERTIFIED TO MINGTAI TREAD BRIGHT SPECS

REF:1769

CIF TORONTO, CANADA

CHEMICAL COMPOSITION

Heat No.	Alloy	Si	Fe	Cu	Mn	Mg	Zn	Ti	Cr	Others	Al
B-12011242	3003	0.066	0.563	0.113	1.127	0.016	0.007	0.025	0.01	0.15	REMAINDER
B-12011242	3003	0.066	0.563	0.113	1.127	0.016	0.007	0.025	0.01	0.15	REMAINDER
D1202001	3003	0.065	0.566	0.121	1.106	0.004	0.005	0.028	0.007	0.15	REMAINDER
D1202001	3003	0.065	0.566	0.121	1.106	0.004	0.005	0.028	0.007	0.15	REMAINDER
Z-1201YB019	3003	0.084	0.565	0.112	1.114	0.026	0.008	0.032	0.012	0.15	REMAINDER
Z-1201YB036	3003	0.08	0.556	0.115	1.114	0.005	0.006	0.023	0.008	0.15	REMAINDER
D1201132	5052	0.085	0.34	0.008	0.05	2.246	0.005	0.015	0.182	0.15	REMAINDER
D1201132	5052	0.085	0.34	0.008	0.05	2.246	0.005	0.015	0.182	0.15	REMAINDER
B-12021115	5052	0.067	0.391	0.02	0.068	2.314	0.007	0.026	0.189	0.15	REMAINDER
B-12021115	5052	0.067	0.391	0.02	0.068	2.314	0.007	0.026	0.189	0.15	REMAINDER

MECHANICAL PROPERTY

Heat No.	Alloy	Temper	Specs(in)	Tensile strength (Mpa/ ksi)		Elongn %
B-12011242	3003	H14	.04*48*96	165	24	12
B-12011242	3003	H14	.04*48*120	165	24	12
D1202001	3003	H14	.188*48*120	158	23	21
D1202001	3003	H14	.188*48*96	158	23	21

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
.0400 Nom X 48.0000" X 120.0000"
PART NO. M5052H32S.040

PO/Rel PO27512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-003

23Feb15

Signed by: 

Pg 2/2

Z-1201YB019	3003	H22	.125*60*144	133	19	21
Z-1201YB036	3003	H22	.188*48*144	139	20	20
D1201132	5052	H32	.188*60*120	215	31	12
D1201132	5052	H32	.188*60*144	215	31	12
B-12021115	5052	H32	.04*48*96	221	32	12
B-12021115	5052	H32	.04*48*120	221	32	12

PRODUCER: ZHENGZHOU MINGTAI INDUSTRY CO., LTD

ZHENGZHOU MINGTAI INDUSTRY CO., LTD
郑州明泰实业有限公司

分發

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
4.250" x 4.50" x 144.0000"
PART NO. M6061T6B1.250X04.500

PO/Ref: PO27512
We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-920635-006
23Feb15
Pg 1/1



Service Center Metals
5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS

OUR ORDER NUMBER	ITEM
220068	1

BILL TO ThyssenKrupp Materials NA	MANIFEST NUMBER 245603	DATE OF SHIPMENT 12/4/2014	CERTIFICATION ASTM-B221-13 StencilCont
SHIP TO ThyssenKrupp Materials NA, Toronto	CUSTOMER PO PEC-263066	SALES PERSON David Schroeder	SPECIFICATION AMS-QQA-200/8 - 1997
Quantity Certified 1,842 lbs 23 pcs	CUSTOMER PART NUMBER MRB1771	DESCRIPTION 6061-T6511	
		MCRB 1.250X4.500	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown.

Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
	1 201422537	11/18/14	min 46.80 max 46.80	min 43.10 max 43.10	min 11.78 max 11.78
	1 201423057	12/1/14	min 51.30 max 51.30	min 48.70 max 48.70	min 16.25 max 16.25

DAS
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9-89
1502/25

Chemical Composition for Aluminum Alloy 6061

Cast Number	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Each	Total	Melt Source:
10301401	6061	0.74	0.37	0.32	0.11	0.89	0.09	0.08	0.02	97.37	0.05	0.15	United States of America
1K141123B	6061	0.75	0.38	0.33	0.10	0.89	0.11	0.07	0.03	97.36	0.05	0.15	United States of America

Print Date: 12/4/2014

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T651
1.00" DIA X 144.0000"
PART NO. M6061R6R1000

PO/Ref P027512

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-008

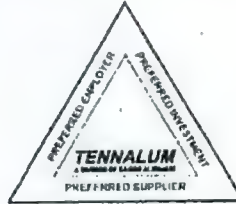
23Feb15

Signed by: 

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Tennalum
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: 5400118959-140		CUSTOMER PART NUMBER: ALRD00037		PRODUCT DESCRIPTION: Cold Finished Round	
KAISER ORDER NUMBER: 674534	LINE ITEM: 14	SHIP DATE: 10/20/2011	ALLOY: 6061	TEMPER: T651	
WEIGHT SHIPPED: 2296 lbs.	QUANTITY: 208 pcs.	B/L NUMBER: 33070	DIAM/DAE/THKNS: 1.000 in.	WIDTH: 0.000 in.	LENGTH: 144.0 in.
SHIP TO: Copper & Brass Sales, Inc. 8001 ThyssenKrupp Parkway Northwood, OH 43619 USA			SOLD TO: Copper & Brass Sales Inc Attn: Accounts Payable P. O. Box 5116 Southfield, MI 48086-5116 USA		

Test Code: 1000 AC

Actual Physical Properties

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %
20150342	49.3	46.1	19.0
	49.4	46.1	19.0
	49.4	46.0	18.0
20150867	50.7	47.6	19.0
	50.6	47.8	19.0
	50.8	47.7	19.0

DAS

14

9-89

15/02/25

Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.69	0.3	0.27	0.08	1.0	0.13	0.04	0.02			20150342
Actual	0.70	0.2	0.34	0.06	1.0	0.10	0.04	0.01			20150867
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15	
Min	0.40		0.15		0.8	0.04					


Specifications

Standard: ISO 9001, ASTM B211-C3, AMS 4117J, AMS-QQ-A-225/8A

CERTIFICATION

Kaiser Aluminum & Chemical Corporation ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager



Plant Serial: 162543

Kaiser Order Number: 674534

Line Item: 14

Page 1 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T651
1.00" DIA X 144.0000"
PART NO. M6061R6R1.000

PO/Rel PO: 7512

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-008

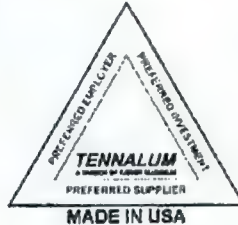
23Feb15

Signed by: *[Signature]*

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

Tennalum
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

Miscellaneous Notes

Made in USA

This material was melted and manufactured in the USA. Mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds were utilized by Kaiser Aluminum in the manufacture of this material. AS9100B:2004 This material meets the requirements of T6 temper and of QQ-A-225/8E (CANCELLED). Material is RoHS compliant.

DAS
14
9-89

15/02/25

Copper & Brass Sales

Customer: TKM NH
Customer PO: PEC-235575
Qty: 2 Weight: 2401604765
Ship/Deliv #: BT

CERTIFICATION

Kaiser Aluminum & Chemical Corporation ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

[Signature]

Plant Serial: 162543

Kaiser Order Number: 674534

Line Item: 14

Page 2 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 5052-H32
0.0320 Nom X 48.0000" X 120.0000"
PART NO. M5052H32S.032

PO/Ref PO27512

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-002

23Feb15
Pg 1/2

CKO

ZHEJIANG CKO ALUMINIUM CO., LTD.

XINTAO, FENGJIANG, LUOJAO, TAIZHOU, ZHEJIANG, CHINA

TEL: +86 576 8269658; FAX: +86 576 8269658

MILL TEST REPORT

SMCL9837-2

BUYER: TA CHEN INTERNATIONAL, INC. 5815 OBISPO AVE. LONG BEACH, CA 90805, USA	Date: 2015-7-8 Invoice: 20130708-008 Contract No.: N03616+N03617+N03619+N03639+N04123 Loading Port: Ningbo, China COUNTRY OF ORIGIN: CHINA
---	---

MATERIAL GRADE: 5052H32 AS PER ASTM B209-10 (UNS: A91320) AND AMS 4061.
Destination: CHICAGO
BL NO.: APL006569827
ISF NO.: SEFT3250309078
ETD: 2013-7-10

No.	PO NO.	DESC. AND TION OF CODES	ALLOY/TYPE	Specification (Ref.)	Grade No.	Chemical Composition (%)										Mechanical Properties				
						N.W.	HEAT NO.	Al	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Tensile (ksi)	Yield (ksi)	Weld (ksi)
1	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
2	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
3	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
4	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
5	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
6	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
7	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
8	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
9	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
10	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
11	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
12	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
13	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
14	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
15	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
16	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
17	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4
18	N03612-6	SHEET	5052-H32	0.0320-0.0320	513064137-2-3	3304.695	513064137	99.93	0.037	0.266	0.012	0.051	2.440	0.200	0.001	0.004	0.016	32.6	20.5	12.4

THYSSENKRUPP MATERIALS NA

DART AEROSPACE
ALUMINUM SHEET 5052-H32
0320 Nom X 48.0000" X 120.0000"
PART NO. M5052H32S.032

PO/Rel P027512
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:



BL PEC-920635-002

Certificate of Mill Test Results

23Feb15
Pg 2/2

SMCL9834-3

19	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4023.195	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
20	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4013.966	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
21	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3452.404	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
22	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4014.577	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
23	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3979.503	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
24	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3942.235	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
25	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3911.309	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
26	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3445.583	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
27	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3412.721	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
28	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3976.464	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
29	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3970.422	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
30	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4030.009	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
31	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4030.009	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
32	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4043.441	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
33	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4168.634	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
34	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4168.634	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
35	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3884.505	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
36	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4138.634	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
37	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3990.725	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
38	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3990.725	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
39	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3990.725	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
40	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3990.725	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
41	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3990.725	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
42	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4034.415	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
43	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3940.312	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
44	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3940.312	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
45	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3940.312	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
46	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3940.312	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
47	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	3940.312	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0
48	N0312-6	SHEET	5052-H32	0.3548*120	513064126-2	4078.510	513064126	97.06	0.034	0.188	0.002	0.037	2.40	0.191	0.001	0.005	0.015	33.9	31.2	8.0

TA CHEN INTERNATIONAL, INC.



浙江三利新材料有限公司
311101 杭州 中国

MILL TEST REPORT
Customer: COPCON PO#-PEC-253946 50#-PR7351
Item: 032481205052H32 Bundle: 513064048-2-2 Heat#: 513064048
MTR#: SMCL9837-3.GIF
This MTR contains 2 pages (Page# 2)

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"
PART NO. M6061T6B00750X00.125

PO/Rel: PO27512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-005

23Feb15

Signed by: 

Pg 1/1

CAN ART

ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 284800

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Ticket:
5386780

Our Order: 408057 - 4

Cust P.O.: 261313

Die: ES05485

Part: 05485-000-240

Alloy Temper: 6061 T6511

Description: 125 x .750

Print Date: 9/30/14

DAS
14
9-89

15/02/25

Chemical Composition Range

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
6061										
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
402735	14090321A	A11	9/25/14	45.12	40.66	8.5

Applicable Specifications: ASTMB221-13 QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART-AEROSPACE

ALUMINUM ROUND BAR 6061-T651
750" DIA X 144.0000"
PART NO. M6061T6R0.750

PO/Rel P027512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-007

23Feb15

Signed by: 

Pg 1/1

impol

Aluminium Industry
Impol d.o.o.
Partizanska ulica 38
2310 Slovenska Bistrica
Slovenija

Tel.: +386 2 8453 100, 8187 521
Fax.: +386 2 8181 219

Page 15 Pages 18

IMPOL ALUMINUM CORPORATION
155 ERIE BLVD., 2ND FLOOR
SCHENECTADY, NY 12305-2235
UNITED STATES OF AMERICA

Order No.: : 06387800
Packing list No.: : 27333
Netto : 39366 lb
Slovenska Bistrica : 2012-11-06
MADE IN SLOVENIA

INSPECTION CERTIFICATE
No.: 27333

Item Product description
619993 Your order No.: 5400158113
ALUMINUM COLD FINISH RODS 6061 T651 & T6
LIGHTLY OILED 75" RD X 12 FT N-ASTMAM5QQAAMS
ALRD00365

Our order No.: 60235/15/1
Netto: 2061 lb

DAS
14
9-89

1502/25

We acknowledge that listed good corresponds to prescribed norm
ASTM-B211-12, AMS-QQA 225/8A, AMS 4117-J, QQA225/8E EN 10204/3.1, MERCURY FREE
what is ascertained with test results:

MECHANICAL PROPERTIES

Charge	Lot	Ult.tens.str. ksi	Yield strength ksi	Elongation A50,8%	Hard.of Br. HB	Eichsen mm	Earing %	Z %	Band test	Pos.
151086	916	54,4	50,2	16,1	104,0	-	-	-	-	1, 2
BILLETS 100% US TESTED										

CHEMICAL COMPOSITION

Charge	Si %	Fe %	Cu %	Mn %	Mg %	Cr %	Zn %	Ti %	Pb %	Hg %	Cd %	Al %
151086	0.7320	0.2140	0.3390	0.1150	0.9460	0.1030	0.0122	0.0185	0.0037	0.0005	0.0002	97.4880

Aluminium products are in compliance with the regulations:
- Directive 2011/65/EU (RoHS) and
- Directive 2000/53/EC (ELV).

Country of melt EU / Slovenia
Country of manufacturing EU / Slovenia

DIRECTOR
Edvard Sločak

impol
Impol d.o.o.
Slovenska Bistrica, Partizanska 38



This product is produced in accordance with ISO 9001 Quality system, certificated by Bureau Veritas Certification No. 207590.
Družba je vpisana v register pri Okrožnem sodišču v Mariboru • Reg. št. spleta: Srg 56/01215 • Znesek osnovnega kapitala 16.954.596,56 EUR • Matična številka 5040736
Davčna št.: 45197687

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
 .0640 Nom X .48.0000" X 144.0000"
 PART NO. M6061T6S,063

PO/Ref PO27512

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-009

23Feb15

Pg 1/2

Signed by: *[Signature]*

AMAG

ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204)
 Inspection certificate - mill certificate

Nr.: 85187328

01 / 4

Rev.: 0

Seite / page:

1 von / of 2

Datum / date:

2014 11 26

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON Warenempfänger / consignee: ThyssenKrupp Materials NA 2821 Langstaff Rd CDN-L4K 5C6 CONCORD, ON	Bestell Nr. / order no.:	PEC-260248
	Datum / date:	2014 07 28
	Auftragsbest. Nr. / order confirm no.:	679683
	Datum / date:	2014 07 29
	Lieferschein Nr. / delivery note:	85187328
	Datum / date:	2014 12 31

Produkt / product Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim.: (inch): 0,063x48,00x144,00	Bedingungen / terms Technische Lieferbedingungen / techn. spec.: AMS-QQ-A-250/11, 08.1997 ASTM B 209 - 10 AMS 4027N, 07.2008 ASME SB-209, 2011a Sondervorschrift / special terms:
---	--

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
01	31763/01/00	01/0064839/4	6061	6796830004	4003,627 lbs	94

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Each	Others Total
01/0064839/4	6061										
	spec. min.	0,40	-	0,15	-	0,80	0,04	-	-	-	-
	spec. max.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15
	actual	0,75	0,48	0,27	0,13	0,94	0,19	0,06	0,08	0,02	0,03

Zugprüfung LT / tensile test LT							
BNr/Los	Zustand	Richtung	Tests	UTS	YS	A2"	
Lot/No.	temper	direction		[ksi]	[ksi]	[%]	
				spec.min.	42,0	35,0	10
				spec.max.	-	-	-
31763/01	T6	LT	2	from	48,7	39,6	16
31763/01	T6	LT		to	48,7	39,6	16

Sonstige Prüfungen / other tests:

Biegeversuch: OK. / Transverse bend test: OK.
 Maßkontrolle: OK. / Dimensional Check: OK.
 Oberfläche: OK. / Surface inspection: OK.

AMAG rolling GmbH, Postfach 32, A-5282 Ranshofen, Österreich - www.amag.at
 AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - www.amag.at

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

PART NO. M6061T6S.063

PO/Ref PO27512

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-009

23Feb15

Signed by: 

Pg 2/2

AMAG
ROLLING

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 85187328

01 / 4

Rev.: 0

Seite / page:

2 von / of 2

Datum / date:

2014 11 26

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.
We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werksachverständiger / factory specialist:	E-Mail / e-mail:
Josef Klampfer	josef.klampfer@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin.
Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed.

AMAG rolling GmbH Postfach 32, A-5282 Ranshofen, Österreich - www.amag.at
AMAG rolling GmbH, P.O. Box 32, A-5282 Ranshofen, Austria - www.amag.at

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.00" x 2.00" X 144.0000"
PART NO. M6061T6B1.000X02.000

PO/Ref: PO27512

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-004

23Feb15

Signed by: 

Pg 1/1



LB ALUMINIUM BERHAD
(138535-V)



ALUMINIUM EXTRUSION

TEST CERTIFICATE

CUSTOMER : THYSSENKRUPP MATERIALS NA	SECTION NO. : PE01417MF03660	DATE : Nov-18-2014
SALES ORDER NO : 1476554	WORK ORDER : 468144	ALLOY : 6061-T6511
PRESS NO. : 2500	EXTRUSION DATE : Nov-06-2014	CERTIFICATE NO. : MCERT1412254
CUSTOMER PO NO. : PEC-262222		

Section Sketch :



DAS
14
9-89

15/02/25

Thickness = 25.40 mm

CHEMICAL COMPOSITION

Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Analysis Ref.-
Min	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	Remainder	74857
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15		
Actual	0.649	0.192	0.219	0.071	0.947	0.047	0.012	0.012		Sep-10-2014

MECHANICAL PROPERTIES (Result shown is tested by LBALUM)

	Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation (%)
Standard	260	240	6
Result	300.16	280.17	15.60

Compliance with ASTM B221M-07

We hereby certify that the material covered by this report has been verified or tested according to the latter standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal contaminant in aluminium alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 3.1, EN 10204

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.

Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)

Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

PART-AEROSPACE

STAINLESS STEEL SHEET 304#
0360 Nom X 48,000" X 96,000"
PART NO. M304S20GA4P

PO/Ref P027512

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-920635-010

23Feb15
Pg 1/1

产品 质量 证明书 MATERIAL TEST CERTIFICATE

无锡宝昌金属制品有限公司
Wuxi Baichang Metal Products Co., Ltd

PAGE 2 OF 2

订单号: EX112506CS
Order No.: GLOBAL STAINLESS STEEL INC.
订货方: GLOBAL STAINLESS STEEL INC.
使用厂家: GLOBAL STAINLESS STEEL INC.
CONSIGNEE

品名: COLD ROLLED STAINLESS STEEL SHEETS
Commodity: STEEL SHEETS
规格: 304
牌号: 304
表面加工: 2B/PAPER
Surface Finish

发票号: EX112506
Invoice No.:
发行日期: 2014/7/21
Date

序号 No.	货物编号 Product No.	产品尺寸			数量 Number	重量 Weight Kg	拉伸试验			表面 硬度 Hardness HRR	炉批号 HEAT NO.	化学成分							
		Product Size					Tensile Test					Chemical Composition (%)							
		厚度 Thickness MM	宽度 Width MM	长度 Length MM			屈服强度 0.2% YS N/mm ²	抗拉强度 TS N/mm ²	延伸率 EL %			C	SI	Mn	P	S	NI	Cr	N
8	140721008	0.50960	1219.2	2438.4	122	1824	253	677	51.0	85	A1401986	0.0400	0.480	1.1200	0.0280	0.0010	8.0190	18.060	0.0279
9	140721009	0.88900	1219.2	3048.0	34	900	263	670	52.0	84	A2400627	0.0400	0.480	1.2600	0.0370	0.0010	8.0200	18.340	0.0400
10	140721010	1.21920	1219.2	2438.4	32	886	261	665	58.0	84.5	A2400388	0.0400	0.500	1.1900	0.0370	0.0010	8.0100	18.040	0.0400
11	140721011	1.21920	1219.2	3048.0	26	902	261	665	58.0	84.5	A2400885	0.0400	0.500	1.1900	0.0370	0.0010	8.0100	18.040	0.0400
12	140721012	1.52400	1219.2	3048.0	41	1780	261	665	55.0	85	A0400849	0.0500	0.450	1.0900	0.0150	0.0010	8.0200	18.120	0.0400
13	140721015	2.66700	1219.2	2438.4	20	1265	267	675	60.0	80	A2400889	0.0500	0.470	1.1600	0.0370	0.0010	8.0200	18.250	0.0400
14	140721016	2.66700	1219.2	3048.0	11	870	267	675	60.0	80	A2400889	0.0500	0.470	1.1600	0.0370	0.0010	8.0200	18.250	0.0400
15	140721017	3.04800	1219.2	2438.4	14	978	278	665	50.0	82.5	A1304650	0.0400	0.450	1.1100	0.0360	0.0010	8.0400	18.060	0.0500
16	140721018	3.04800	1219.2	3048.0	10	877	278	665	50.0	82.5	A1304650	0.0400	0.450	1.1100	0.0360	0.0010	8.0400	18.060	0.0500

备注 (Remarks) :

1. 尺寸和表面: 合格

Size and Surface : Guaranteed

证明所列产品均符合订单和标准的制造要求

WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND SPECIFICATION

此报告仅可完全复制

The report can only be copied completely

技术本部

TECHNICAL DEPT.

无锡宝信金属制品有限公司

WUXI BAIXIN METAL PRODUCTS CO., LTD.

备注 (Remarks):
1. 尺寸和表面: 合格
Size and Surface: Guaranteed

兹证明所列产品均符合订单和标准的制造要求
WE HEREBY CERTIFY THAT THE MATERIAL HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE ORDER AND SPECIFICATION
*此报告仅可完全复制
*The report can only be copied completely

技术本部
TECHNICAL DEPT.
无锡宝昌金属制品有限公司
Wuxi Baichang Metal Products Co., Ltd

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 4303
DATE: 15/02/25

PO / BATCH NO.: 27512

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 48
QUANTITY INSPECTED: 48
QUANTITY REJECTED: 0

THICKNESS ORDERED: R.500
THICKNESS RECEIVED: R.500
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	(N)	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL	(Y)	N	
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT MATERIAL	(Y)	N	
CORRECT REF # TO LINK CERT	(Y)	N	
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u><i>[Signature]</i></u> DAS 14 9-89 DATE: <u>15/02/25</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/TL
DATE: 15/02/25

PO / BATCH NO.: 27312

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 80'
QUANTITY INSPECTED: 80'
QUANTITY REJECTED: _____

THICKNESS ORDERED: .125 X .750
THICKNESS RECEIVED: .125 X .750
SHEET SIZE ORDERED: _____
SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<u>N</u>	
CORRECT FINISH	<u>Y</u>	N	
CORROSION	Y	<u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u>	N	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT THICKNESS	<u>Y</u>	N	
PHOTO REQUIRED	Y	<u>N</u>	
CORRECT MATERIAL	<u>Y</u>	N	
CORRECT REF # TO LINK CERT	<u>Y</u>	N	
CORRECT MATERIAL IDENTIFICATION	<u>Y</u>	N	
CORRECT M# ON THE MATERIAL	<u>Y</u>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u><i>[Signature]</i></u> DATE: <u>15/02/25</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061-T6
 DATE: 15/02/25

PO / BATCH NO.: 27512

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00 X 2.00
 THICKNESS RECEIVED: 1.00 X 2.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL	(Y) N	
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT MATERIAL	(Y) N	
CORRECT REF # TO LINK CERT	(Y) N	
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u><i>[Signature]</i></u> DAS 14 9-89 DATE: <u>15/02/25</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061-T6
 DATE: 15/02/25

PO / BATCH NO.: 27572

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.250 X 4.50
 THICKNESS RECEIVED: 1.250 X 4.50
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u></u> 14 9-89	SIGNED OFF BY: _____
DATE: <u>15/02/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1061-T6
 RECEIVED BY: S. D. 16
 DATE: 15/02/25
 P/O#: 27512
 QUANTITY ORDERED: 48'
 THICKNESS ORDERED: R.750
 SHEET SIZE: _____
 MATERIAL CERT RECEIVED: YLS
 QUANTITY RECEIVED: 48'
 THICKNESS RECEIVED: R.750
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
INCORRECT FINISH	Y <input checked="" type="radio"/> N	
CORROSION	Y <input checked="" type="radio"/> N	
INCORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/> N	
INCORRECT MATERIAL	Y <input checked="" type="radio"/> N	
INCORRECT THICKNESS	Y <input checked="" type="radio"/> N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14</u>	BY: _____
DATE: <u>15/02/25</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6
 DATE: 25/02/25

PO / BATCH NO.: 27572

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: R1.00
 THICKNESS RECEIVED: R1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> Y N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>14 9-89</u> DATE: <u>15/02/25</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27512**

Purchase Order Date 2/20/2015

PO Print Date 2/20/2015

Page Number 1 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500	303 Round Bar 0.500"	2/27/2015 Yes 2/27/2015		48.00 f	\$1.65	\$79.20

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$79.20

2	M5052H32S.032	5052-H32 .032 Sheet	2/27/2015 Yes 2/27/2015		64.00 sf	\$1.04	\$66.72
---	---------------	---------------------	-------------------------------	--	-------------	--------	---------

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$66.72

PO Instructions: NO. PEC ST-771965

Note:

2/20/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27512**

Purchase Order Date 2/20/2015

PO Print Date 2/20/2015

Page Number 2 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Chantal Lavoie

3	M5052H32S.040	5052-H32 .040 Sheet	2/27/2015	32.00	\$1.27	\$40.50
		Yes	2/27/2015	sf 2 sheets		

MATERIAL: 5052-H32 ALUMINUM SHEET AS PER
QQ-A-250/8 OR AMS-QQ-A-250/8 OR AMS 4016 OR ASTM B209

Line Total: \$40.50

4	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	2/27/2015	24.00	\$5.92	\$142.10
		Yes	2/27/2015	f 2		

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$142.10

5	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	2/27/2015	48.00	\$0.63	\$30.00
		Yes	2/27/2015	f 4 f need 80 15/02/2015 54		

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

PO Instructions: NO. PEC ST-771965

Note:

2/20/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27512**

Purchase Order Date 2/20/2015

PO Print Date 2/20/2015

Page Number 3 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

Line Total: \$30.00

6 M6061T6B1.250X04.500 6061-T6 Bar 1.25 X 4.50 2/27/2015
Yes
2/27/2015

12.00 \$16.99 \$203.82
1 f

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$203.82

7 M6061T6R0.750 6061-T6 Round Bar .750" 2/27/2015
Yes
2/27/2015

48.00 \$0.83 \$39.69
4 f
10/02/25
54

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQA-225/8 OR AMS 4117/4128/4115/4116
OR ASTM B211 OR ASTM B221

Line Total: \$39.69

PO Instructions: NO. PEC ST-771965

Note:

2/20/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO27512

Purchase Order Date 2/20/2015

PO Print Date 2/20/2015

Page Number 4 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

8	M6061T6R1.000	ROUND BAR 1.00"	2/27/2015	12.00	\$5.45	\$65.45
			Yes	J f		
			2/27/2015			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQA-225/8 OR AMS 4117/4128/4115/4116
OR ASTM B211 OR ASTM B221

Line Total: \$65.45

9	M6061T6S.063	6061-T6 .063 Sheet	2/27/2015	288.00	\$2.40	\$690.00
			Yes	6 sf		
			2/27/2015			

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$690.00

10	M304S20GA4P	304/316 Sheet .040	2/27/2015	32.00	\$3.47	\$110.88
			Yes			
			2/27/2015			

MATERIAL: AISI 304/316 SS SHEET ANNEALED
AS PER MIL-S-5059 OR AMS 5513 (304)
OR AMS 5524 (316) OR ASTM A240 OR ASME SA240
FINISH: POLISHED NO. 4

PO Instructions: NO. PEC ST-771965

Note:

2/20/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO27512**

Purchase Order Date 2/20/2015

PO Print Date 2/20/2015

Page Number 5 of 5

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA – (Free Carrier)

Line Total: \$110.88

11	71401-45	PROCUREMENT QUALITY CLAUSES	2/27/2015	1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

No
2/27/2015

Line Total: \$0.00

PO Total: \$1,468.36

PO Instructions: NO. PEC ST-771965

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1 Change Date: 2/20/2015